11036 U.S. PTO 09/841908

APPL

POSITION INITIALS ID NO. DATE

MA

FEE DETERMINATION

O.I.P.E. CLASSIFIER

FORMALITY REVIEW

RESPONSE FORMALITY REVIEW

ID NO. DATE

64 /27/07

64 /27/07

06-2(-0)

## INDEX OF CLAIMS

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
|   | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

|                 |              |              |          |          |              |               | ÷        | •••      | • • • • • • |   | •••••    | •••••    | •••••    | Res      | tric     | ted      |              |          | (        | ) .          | •••••             | ••••                                | •••••     |   | •••••         | 0   | bje     | cte                     | t   |  |          |          |           |              |         |         |
|-----------------|--------------|--------------|----------|----------|--------------|---------------|----------|----------|-------------|---|----------|----------|----------|----------|----------|----------|--------------|----------|----------|--------------|-------------------|-------------------------------------|-----------|---|---------------|-----|---------|-------------------------|---|--|----------|----------|-----------|--------------|---------|---------|
|                 | CI           | aim          | m Date   |          |              |               | ]        | Claim    |             |   |          |          | C        | ate      |          |          |              |          | 7        | C            | laim              | Γ                                   |           |   |               |     | ate     |                         |   |  |          |          |           |              |         |         |
|                 | Final        | Original     | 430      | 1100     | 3            | 000           |          |          |             |   |          |          | æ        | Original |          |          |              |          |          |              | T                 |                                     |           | 7 | Г             | Ē   |         |                         | Γ   | T                                      | Ī        | Ť        | T         | T            | T       | T       |
|                 | Ē            | Ŕ            | or       | 12       | 03           | (03           | <u> </u> | $\sqcup$ | $\dashv$    | 4                                       | +        | 4        | Final    | Ö<br>51  | Щ        |          | 4            | 1        | _        | $\downarrow$ | $\downarrow$      | $\bot$                              |           |   | Final         | ō   |         | L                       | L   | $\perp$                                | L        | Ţ        | $\perp$   | $\perp$      | ╧       |         |
|                 | $\vdash$     | Ě            |          | f a      | <del> </del> | ╁             | ╀        | $\vdash$ | -+          | $\dashv$                                |          | 4        | ļ        | 52       | Н        |          | 4            | 4        | -        | 4            | -                 | 4_                                  | ┸         | 4 | <u> </u>      | 101 |         | _                       | L   | ᆚ.                                     | L        | 丄        | 丄         | L            | L       | $\perp$ |
|                 | $\vdash$     | 13           | Υ,       | 1        | 1-           | +-            | $\vdash$ | $\vdash$ | $\dashv$    | $\dashv$                                | +        | $\dashv$ | -        | 53       | $\vdash$ |          | -            | +        | +        | 1            | +                 | 4                                   | $\bot$    | 4 |               | 102 | _       |                         | L   | 1_                                     | 丄        | $\perp$  | 丄         | 丄            | $\perp$ |         |
|                 | $\vdash$     | 4            | 7        |          | L            | 1             | $\vdash$ | Н        | +           | -+                                      | -        | 4        | <u> </u> |          | Н        |          | -            | _        | 4        | 4            | ┵                 | 4_                                  | 4         | 1 | $\perp$       | 103 |         | _                       | L   | L                                      | L        | 丄        | _         |              | •       |         |
|                 | ⊢            | 5            | -        | 1        | 10           | K             | $\vdash$ | Н        | +           | +                                       | +-       | _        | $\vdash$ | 54<br>55 | $\vdash$ | -        |              | +        | +        | 4-           | +                 | _                                   | ↓_        | 4 |               | 104 |         | _                       | L   |  | L        | L        | I         | I            | I       | I       |
|                 | ⊢            | 6            | 1        | 1        | 1            | 14            | $\vdash$ |          | +           |   | +-       | ┥        | $\vdash$ | 56       | Н        | +        | -            | +        | +        | +            | +                 | -                                   | 1         | 4 | $\perp$       | 105 |         |                         | L   | 丄                                      | L.       | ┸        | ┸         | ┸            | ┸       |         |
|                 | ┢            | (7           | Ľ.       | 1        | 1.           | برا           |          | $\dashv$ | $\dashv$    | $\dashv$                                | +        | ┨        | -        | 57       | Н        | -+       | -            | +        | +        | +            | +                 | ╀                                   | ╀-        | 4 |               | 106 | _       | _                       | L   | 丄                                      | ↓_       | 丄        | 丄         | $\perp$      | 上       | L       |
|                 | ⊢            | 6            | Y        | 1        | 1            | Yil           | Н        | -        | +           | +                                       |          | ┨        | $\vdash$ | 58       |          | $\dashv$ | -            | +        | +        | +            | -                 | ļ.,                                 | ╄         | 1 |               | 107 | _       |                         | L   | ↓_                                     | 上        | 上        | 1         | 丄            |         | I       |
|                 | ├─           | 6            | L        | "        | 10           | 71/1          | Н        | -        | $\dashv$    | +                                       | +        | ┨        | $\vdash$ | -        | $\vdash$ | -        | -            | +        | +-       | +            | 4                 | +-                                  | $\perp$   | 4 | _             | 108 |         | _                       | L   | ــــــــــــــــــــــــــــــــــــــ | 上        | 上        | $\perp$   | $\perp$      | $\perp$ |         |
|                 | -            | 10           | ₩.       | V        | V            | 0             | $\vdash$ | $\dashv$ | $\dashv$    | +                                       | +        | ł        | $\vdash$ | 59       | $\dashv$ | -        | +            | +        | +        | +            | 1                 | <b>-</b>                            | ╀.        | 4 | <u> </u>      | 109 | _       |                         | L   | Ļ                                      | L        | 丄        | L         | 丄            | L       |         |
|                 | <del> </del> | 11           | Y        |          | 1            |               | $\vdash$ | -+       | $\dashv$    | +                                       | +        | 1        | H        | 60<br>61 | 4        | -        | -            | +        | +        | +            | 4                 | 1                                   | ╀-        | 4 | $\perp$       | 110 | _       |                         | <u> </u>  |  | L        | 丄        | $\perp$   | L            | L       |         |
|                 | <u> </u>     | 12           | J        | _        | V            | 5             | Н        | +        | +           | +                                       | ╅        | ┨        | $\vdash$ | 62       |          | +        | -            | +        | +-       | +            | 4-                | ↓_                                  | ╀         | ↓ | <u> </u>      | 111 | _       |                         | ᆫ   | _                                      | 丄        | 丄        | 丄         | 上            | L       | L       |
|                 |              | (13          | ~        | ۲        |              | V             | Н        | $\dashv$ | -+          | +                                       | +-       | 1        | H        | 63       |          | +        | +            | +-       | +-       | +            | ╀                 | +-                                  | ₩         | 4 | <u> </u>      | 112 | _       |                         | Ŀ   | ↓_                                     | 上        | L        | $\perp$   | ┸            | L       | L       |
|                 | -            | 14           | -        | <u> </u> | ۲            | ٥             | Н        | $\dashv$ | +           | ┰                                       | +        | ┨        | $\vdash$ | 64       |          | +        | +            | +        | +-       | +            | ╂                 | ┼                                   | ▙         | 1 |               | 113 | 4       |                         | L   | ┺                                      | <u> </u> | 丄        | 丄         | 丄            | 丄       | L       |
| B               |              | 15           | ⊣        |          |              | 3             | $\dashv$ | +        | +           | ╁                                       | +        | ┨        |          | 65       | $\dashv$ | +        | +            | +        | ╀        | ╀            | +-                | ┼-                                  | ╄         | 4 | <b> </b>      | 114 | 4       |                         | <u> </u>  | L                                      | L        | L        | L         | Ŀ            | L       | L       |
| $ \mathcal{V} $ |              | 16           | -        |          | 4            | v             | -        | -+       | +           | ╁                                       | ╫        | 1        |          | 66       | $\dashv$ | +        | +            | +-       | ╀        | ┿            | +-                | ╀                                   | ┼-        | 1 | $\vdash$      | 115 | _       |                         | <u> </u>  | <u> </u>                               | L        | L        | ┺         | 丄            | 丄       | L       |
|                 |              | 17           | $\neg$   |          | u            | Ö             |          | -        | +           | +                                       | +        | ┨.       |          | 67       | -        | +        | +            | +-       | +        | ╀            | ₋                 | ╄-                                  | ₩         | 1 | <u> </u>      | 116 | _       | _                       | لسا   | 1_                                     | L        | L        |           | L            | L       | L       |
|                 |              | 18           | $\dashv$ | -        | -            | H             | -        | +        | ┰           | ╁                                       | +        | ┨        |          | 68       | +        | +        | +            | +        | +-       | +            | ╄                 | ╄                                   | ▙         | - | <u> </u>      | 117 | 4       | _                       | oxdot   | L                                      | L        | L        | 丄         | L            | L       |         |
|                 |              | 19           | -        |          | <del></del>  | $\rightarrow$ | 褝        | +        | +           | +                                       | +        | 1        |          | 69       | -        | +        | +            |          | +        | ╀            | ╁.                | ╄                                   | ╄         | 1 |               | 118 | _       | 4                       |   | _                                      | L        | L        | L         |              | L       | L       |
|                 |              | 20           | ┪        | -        | -            | ×             | -+       | +        | +           | +                                       |          | ł        |          |          | $\dashv$ | -        | ┥            | 4        | +        | ╀-           | ـــــ             | ╄-                                  | ┞-        |   | _             | 119 | _       | _                       |   |  | L        | L        | L         | $oxed{oxed}$ | L       |         |
| $\mathcal{C}$   |              | 21)          | -        |          | -            | 0             | $\dashv$ | -        | +           | 4-                                      | +        |          |          | 70       | 4        | 4        |              | $\perp$  | 1_       | 丄            |                   | 丄                                   | L         |   |               | 120 |         |                         |   |  | Ĺ        | ŀ        |           |              |         | I       |
| ¥ ک             |              | <del>[</del> |          |          |              | _             | -        | 4        | -           |   | ┿        |          |          | 71       | 4        | _        | 4            | ┸        | ┸        | <u> </u>     | L                 | 丄                                   |           |   |               | 121 |         | П                       |   | П                                      |          | ·        |           | Т            |         | Γ       |
| - }             |              | 23           |          |          |              | K             | 4        | +        | - -         | +-                                      | -        | 1        |          | 72       | -        | 4.       | 4            | ┸        | <u> </u> | $\perp$      | 辶                 | _                                   | Ш.        | 1 |               | 122 |         |                         |   |  |          |          |           | Π            | Г       | T       |
| -               |              | 24           | -        |          | -            | ***           | -        | -+       |             | +                                       | —        |          |          | 73       | 4        | _        | 4            | 1        | _        | ┺            |                   |                                     | L         | 1 |               | 123 | ┙       |                         |   |  |          |          | ·         | Г            | Г       | Г       |
| ·               |              | 25           | +        | -        | $\dashv$     | $\dashv$      | $\dashv$ | +        | +-          | +                                       | +-       | 1        | _        | 74       | -        | _        | 4            | 4        | <u> </u> | $oxed{\bot}$ | _                 | _                                   | ᆫ         |   | _             | 124 | $\perp$ |                         |   |  |          |          |           |              | Г       |         |
|                 |              | 26           | ┥        | -        | $\dashv$     | -+            | +        | +        | -           | ┿                                       | +-+      |          |          | 75       | 4        | 4        | 4-           | ļ        | ┶        | ╀            | 上                 | L                                   | 匚         |   |               | 125 | $\perp$ | $\Box$                  |   |  |          |          |           |              |         | Γ       |
| - }             |              | 27           | +        | $\dashv$ | -            | $\dashv$      | +        | -+-      | +           | +-                                      | +        |          |          | 76       | 4        | 4        | $\bot$       | ╄        | ╄        | <u> </u>     | L                 | L                                   | L         | Į |               | 126 |         |                         |   |  |          |          |           |              |         | Г       |
| ·               |              | 28           | +        | $\dashv$ | -            | $\dashv$      | $\dashv$ | +        | +           | ┽~                                      | 1        |          |          | 77       | 4        | _        | +-           | ╄        | <u> </u> | <u> </u>     | oxdot             | L                                   |           | 1 |               | 127 | $\perp$ | $\perp$                 | $\Box$  |  |          |          |           |              | П       | Γ       |
| · }             |              | 29           | +        | +        |              | -+            | +        | +        | -           | +                                       | ₩.       |          |          | 8        | 4        |          | ╁.           | 4        | _        | <u> </u>     | L                 | Ļ                                   |           | ļ | _             | 128 | $\perp$ |                         |   |  |          |          |           |              |         |         |
| . <b> </b> -    |              | 30           | +        | +        | $\dashv$     | -             | +        | +        | +           | +                                       | +- $+$   |          |          | '9       | -        | - -      | ┿-           | _        | ┖        | ┖            |                   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |           | i | -             | 129 | ⊥       | _                       |   | $\Box$                                 |          |          |           |              |         | Г       |
| _ H             |              | 31           | +        | +        | -+           | -             | +        | +        | - -         | +-                                      | ╀┤       |          |          | 30       | -        | - -      | $\bot$       | _        | <u> </u> | L            | 匚                 | Ш                                   |           |   | $\rightarrow$ | 130 |         | $\perp$                 |   |  |          |          |           |              | П       | Г       |
| H               |              | 32           | +        | $\dashv$ | -            | +             | +        | -        | +-          | ╀                                       | Н        |          |          | 31       | -        |          | <del> </del> | ┺        | ļ        | L.           | <u> </u>          | <u> </u>                            |           |   |               | 131 | $\perp$ | ┙                       |   |  |          |          |           |              |         | Γ       |
| F               |              | 33           | +        | +        | +            | -             | -        | +-       | +           | ┿                                       | +1       |          | - 1      | 32       | 4        | $\perp$  | ╄            | ↓_       | L        | _            |                   |                                     |           |   |               | 32  | $\perp$ |                         |   |  |          |          |           | П            |         |         |
| <br>            |              | 34           | +        | +        | +            | +             | +        | +        | +-          | +                                       | ┦        |          |          | 3        | +        | 4-       | $\bot$       | $\vdash$ | <b> </b> | <u>Ļ</u> .   | $ldsymbol{f eta}$ |                                     |           |   |               | 133 |         | $\prod$                 | $ \bot  $   |  |          |          |           |              |         |         |
| - 1             |              | 35           | +        | +        | +            | +             | +        | +        | +-          | +                                       | $\dashv$ |          |          | 4        | +        | -        | ╀-           | 1        | L        | <u> </u>     |                   | Ш                                   |           |   |               | 134 | $\perp$ |                         |   |  |          |          |           |              |         |         |
| H               |              | 36           | +        | +        | +            | +             | +        | +        | - -         | +-                                      | $\vdash$ | ļ        |          | 5        |          | 4-       | ╀-           |          | <u> </u> | <u> </u>     | Ш                 | Ш                                   |           |   |               | 35  | $\perp$ | $oldsymbol{\mathbb{I}}$ |   | $\Box$                                 | J        | _1       |           |              |         | _       |
| ⊢               |              | 37           | +        | $\dashv$ | +            | +             | +        | +        | +-          | ╄                                       | Н        |          |          | 6        | 4-       | +        | ╀            | ↓_       | <u> </u> | L            |                   |                                     | _[        |   |               | 36  | 1       | ┸                       | $\perp$   | $\perp$                                |          | ]        |           |              |         |         |
| .  -            |              | 38           | +        | +        | +            | +             | +        | +        | +-          | ╀                                       | Н        |          | - [8     |          | - -      | +        | 4            | <u> </u> |          |              |                   | Ш                                   | _         |   |               | 37  | 1       |                         | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{\mathbb{I}}$                | $\Box$   | J        |           |              |         | _       |
| -               | _            | 39           | +        | +        | +            | ╁             | +        | +-       | +           | ╀                                       | $\vdash$ |          | 8        |          | 4        | +        | ļ            | L        | L_       | Щ            | Щ                 |                                     | _         |   |               | 38  | $\perp$ |                         | $\perp$   |  |          | $\Box$   | $\Box$    |              | $\neg$  |         |
| _ <del> </del>  | _            | 10           | +        | +        | +            | +             | +        | +        | ┰           | ┨-                                      | ⊣        | - }      | - 8      |          | 4-       | 4        | Ļ            | L        |          | Ц            |                   | _                                   | _{        |   | <u> </u>      | 39  |         | $\perp$                 | $\perp$   | $\perp$                                |          | $\Box$   | $\Box$    |              | I.      |         |
| -               | _            | _            | +        | +        | +            | +             | +        | +        | -           | ـــــــــــــــــــــــــــــــــــــــ | Н        |          | 9        |          | 4        | 4        | <u> </u>     |          |          |              | _                 |                                     |           |   |               | 40  |         |                         | _   | T                                      |          |          | $\neg$    | П            | П       |         |
| -               |              | 11           | +        | +        | 4            | 4             | 4        | 4        | 4_          | <u> </u>                                | ш        | ļ        | 9        | 1        | 1        | ┸        |              |          |          |              | !                 |                                     | ╝         |   | 1             | 41  | Γ       | Т                       | Т   | T                                      | 丁        | $\neg$   |           |              | T       |         |
| $\vdash$        | 4            |              | +        | +        | 4            | +             | -        | +        | 4           | <del> </del>                            | $\sqcup$ | L        | 9        |          | 4        | $\perp$  | 1_           |          |          | $\Box$       | _]                |                                     | _]        |   | 1             | 42  | Τ       | J                       | _   | 寸                                      | $\top$   | $\dashv$ | $\dashv$  | $\dashv$     | 7       | $\neg$  |
| $\vdash$        | _            | 3            | +        | +        | +            | 4             | _        | $\perp$  | $\perp$     | <del> </del>                            | Ц        | -        | 9        |          | $\perp$  | $\perp$  | _            |          |          |              | $\Box$            | $oldsymbol{\mathbb{J}}$             |           |   |               | 43  | Ι       | J                       | T   | $\top$                                 | 7        | $\top$   | $\dashv$  | $\neg$       | 十       | ٦       |
| <br> -          | _            | 4            | +        |          | +            | 4             | 4        | $\perp$  | 丄           | <u> </u>                                | Ц        | ļ        | 9        |          | 1        | $\perp$  | L            |          |          |              |                   |                                     | ╝         |   |               | 44  | Τ       | T                       | T   | Т                                      | T        | 丁        | $\neg$    | $\neg$       | 寸       | ヿ       |
| · -             | _            | 5            | +        | 4        | 4            | +             | _        | +        | ₩           | <u> </u>                                | Ш        | Ļ        | 9        |          | 4        | $\perp$  |              |          | $\Box$   | $\Box$       | $\Box$            | $\Box$                              |           |   | 1             | 45  |         | Ţ                       | T   | _                                      | $\top$   | 十        | $\dashv$  | 7            | $\top$  | ᅱ       |
| <b>-</b>        |              | 6            | +        | +        | +            | 4             | +        | $\perp$  | $\vdash$    | _                                       | Ц        | L        | 9        | -        | $\perp$  | $\perp$  | Ш            |          |          |              | $\Box$            | $oldsymbol{\mathbb{I}}$             | _]        |   |               | 46  | I       | T                       | T   | T                                      | 十        | 寸        | 7         | $\top$       | 7       | ヿ       |
| <u> </u>        | 4            |              | +        | 4        | 4            | +             | 1        | 4        | ↓_          |   | Ш        | L        | 9        |          | $\perp$  |          | Ш            |          |          |              | $\prod$           | $oldsymbol{\mathbb{I}}$             | _]        |   | 1             | 47  | T       | T                       | T   | T                                      | T        | $\top$   | 丁         | $\top$       | $\top$  | $\neg$  |
| $\vdash$        | 4            |              | ╀        | 4        | $\bot$       | 4             | 4-       | $\bot$   | ↓_          | <u> </u>                                | Ш        | Ĺ        | 9        | _        | $\perp$  | _        | Ш            |          |          |              | $\Box$            | $\Box$                              |           | Ì | 1.            | 48  | Τ       |                         | T   | $\top$                                 | 丁        | 十        | ヿ         | $\dashv$     | 十       | コ       |
| -               | 4            |              | +        | +        | +            | 4             | +-       | +        | ↓_          | $\vdash$                                | Ц        | 1        | 9        |          | $\bot$   | 1_       | Ш            |          | I        |              |                   | $oldsymbol{\perp}$                  | $\rfloor$ | [ | 1.            | 49  | Ι       |                         | T   | $\top$                                 | T        | $\top$   | $\exists$ | $\top$       | $\top$  | ٦       |
| _               | 5            | <u> </u>     | ٠.       |          | 4            | 丄             | ┸        |          | Ц,          | $\Box$                                  |          | L        | 10       | <u> </u> |          |          |              |          |          | _[           | $\Box$            |                                     |           | ı | 1             | 50  | Γ       | Τ                       | Т   | T                                      | T        | $\top$   | $\neg$    | 十            | $\top$  | ٦       |

If more than 150 claims or 10 actions staple additional sheet here

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